



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
FILING COMPLETION UNDER RULE 53(d)
(Do NOT use for PCT Applications)
For Design or Utility Applications

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Rule 53(d) COMPLETION

Page 1 of 2

Attn: Application Division

In re PATENT APPLICATION of
Inventor(s): STRACKE et al.

(Our Deposit Account No. 03-3975
(Our Order No. 5683 / 92382
C# / M#

Appln. No.: 0 7 / 822,043
series code ↑ / ↑ serial no.
Filed: January 17, 1992

Atty. Dkt. 92382 / E-142-90
M# / Client Ref.

Title: AUTOTAXIN: MOTILITY STIMULATING PROTEIN USEFUL
IN CANCER DIAGNOSIS AND THERAPY
Hon. Commissioner of Patents and Trademarks
Washington, D.C. 20231

Date: March 17, 1992

Sir:

In reply to the Notice to File Missing Parts (copy attached), the following completes the filing under Rule 53(d) of the above-identified patent application:

1. [X] Signed Declaration per Rule 53(d) attached.
2. [] Attached: Original signed Declaration with attached specification (including claim(s)) which is a copy of specification and claim(s) originally filed to secure the above filing date.
3. [] The original application as filed in the PTO on the above filing date is the application which each inventor executed by signing the attached Rule 63 Declaration.
4. [] Specification originally filed in non-English language; hence verified translation attached of:
a. [] Abstract
b. [] _____ pgs. of Specification (only spec. & claims)
c. [] Drawing Figs _____
5. [] Letter filing formal drawing attached.
6. [X] Attached is an assignment to UNITED STATES OF AMERICA, REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES

Please return the recorded assignment to the undersigned.

7. [] Priority is claimed under 35 U.S.C. 119/365 based on filing in (country) _____			
<u>Application No.</u>		<u>Filing Date</u>	
(1)	_____	(4)	_____
(2)	_____	(5)	_____
(3)	_____	(6)	_____

8. _____ (No.) Certified copy/copies [] attached; [] previously filed (date) _____

9. _____ in U.S. Application No., 0 / _____, filed _____
series code ↑ ↑ serial no.

10. [] Attached: _____ (No.) Statement(s) establishing "small entity" status under Rules 9 & 27.

11. [XX] Attached: SUBMISSION, PTO-1449 and references (6)
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080 KJ 03/24/92 07822043



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER FILING DATE FIRST NAMED APPLICANT ATTY DOCKET NO./TITLE

077822.043 01/17/92 STRACKE

14 92,000

CUSHMAN, DARBY & CUSHMAN
1615 L STREET, NW
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WASHINGTON, DC 20006-5601

00000

DATE MAILED:

01/23/92

NOTICE TO FILE MISSING PARTS OF APPLICATION
FILING DATE GRANTED

A filing date has been granted to this application. However, the following parts are missing.

If all missing parts are filed within the period set below, the total amount owed by applicant as a

☒ large entity, ☐ small entity (verified statement filed), is \$ 115.

1. ☒ The statutory basic filing fee is: ☒ missing ☐ insufficient. Applicant as a ☒ large entity ☐ small entity, must submit \$ 615 to complete the basic filing fee and **MUST ALSO SUBMIT THE SURCHARGE AS INDICATED BELOW.**

2. ☒ Additional claim fees of \$ 4 as a ☒ large entity ☐ small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due. **NO SURCHARGE IS REQUIRED FOR THIS ITEM.**

3. ☒ The oath or declaration:
☒ is missing.
☐ does not cover items omitted at time of execution.

An oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date is required. A SURCHARGE MUST ALSO BE SUBMITTED AS INDICATED BELOW.

4. ☐ The oath or declaration does not identify the application to which it applies. An oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date is required. A SURCHARGE MUST ALSO BE SUBMITTED AS INDICATED BELOW.

5. ☐ The signature to the oath or declaration is: ☐ missing; ☐ a reproduction; ☐ by a person other than the inventor or a person qualified under 37 CFR 1.42, 1.43, or 1.47. A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date is required. A SURCHARGE MUST ALSO BE SUBMITTED AS INDICATED BELOW.

6. ☐ The signature of the following joint inventor(s) is missing from the oath or declaration:

_____. An oath or declaration listing the names of all inventors and signed by the omitted inventor(s), identifying this application by the above Application Number and Receipt Date is required. A SURCHARGE MUST ALSO BE SUBMITTED AS INDICATED BELOW.

7. ☐ The application was filed in a language other than English. Applicant must file a verified English translation of the application and a fee of \$30.00 under 37 CFR 1.17(k), unless this fee has already been paid. **NO SURCHARGE IS REQUIRED FOR THIS ITEM.**

8. ☐ A \$50.00 processing fee is required for returned checks. (37 CFR 1.21(m)).

9. ☐ Your filing receipt was mailed in error because check was returned without payment.

10. ☐ Other.

An Application Number and Filing Date have been assigned to this application. The missing parts and fees identified above in items 1 and 3-6 must be timely provided **ALONG WITH THE PAYMENT OF A SURCHARGE** of \$120.00 for large entities or \$60.00 for small entities who have filed a verified statement claiming such status. The surcharge is set forth in 37 CFR 1.16(e). Applicant is given **ONE MONTH FROM THE DATE OF THIS LETTER, OR TWO MONTHS FROM THE FILING DATE** of this application, **WHICHEVER IS LATER**, within which to file all missing parts and pay any fees required above to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

Direct the response to, and any questions about, this notice to **ATTENTION: Application Division, Special Handling Unit.**

*A copy of this notice **MUST** be returned with response.*

For: Manager, Application Division
(703) 557-1805



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#3

In re PATENT APPLICATION of

STRACKE et al.

Group Art Unit: Unknown

Appln. No. 07/822,043

Examiner: Unknown

Filed: January 17, 1992

Title: AUTOTAXIN: MOTILITY STIMULATING
PROTEIN USEFUL IN CANCER DIAGNOSIS
AND THERAPY

* * * * *

March 17, 1992

SUBMISSION

Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Sir:

Attached hereto for the Examiner's consideration in the examination of this application, are copies of references by the inventors either cited in the present specification and/or believed to be relevant in the examination of the present application. Included also is form PTO-1449 listing these references.

Liotta et al. (Proc. Natl. Acad. Sci. USA, 83: 3302-3306) which describes the original observation that an autocrine motility factor (AMF) was produced in a human melanoma cell line and 1992 Stracke et al. (J. Biol Chem., 267: 2523-2529) describes the purification and partial sequence analysis of autotaxin. Other papers which are enclosed include the 1987 Stracke et al. (Biochem. Biophys. Res. Comm. 146: 339-345) which

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describes the pertussis toxin sensitivity of the AMF, the 1988 Stracke et al. (Biochem. Biophys. res. Comm., 153: 1076-1083) which describes insulin-like growth factor-1 (IGF-1) as a non-pertussis toxin sensitive motility-stimulating factor in the same cell line, the 1989 Stracke et al. (J. Biol. Chem., 264: 21544-21549) which establishes that the type I IGF receptor is responsible for IGF-I- but not AMF-stimulated motility, and the 1990 Aznavoorian et al. (J. Cell Biol., 110: 1427-1438) which establishes that these same cells locomote in response to extracellular matrix components.

The Examiner is requested to consider the attached in the examination of this application.

Respectfully submitted,

CUSHMAN, DARBY & CUSHMAN

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